

(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2003/0058265 A1**  
**Robinson et al.** (43) **Pub. Date: Mar. 27, 2003**(54) **SYSTEM AND METHOD FOR PROVIDING  
TACTILITY FOR AN LCD TOUCHSCREEN****Publication Classification**(51) **Int. Cl.<sup>7</sup>** ..... **G09G 5/00**(52) **U.S. Cl.** ..... **345/701**(76) Inventors: **James A. Robinson**, Elmira (CA);  
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A system for providing force feedback in response to touchscreen inputs by a user is disclosed. A touchscreen overlayed upon a liquid crystal display (LCD) receives user input and provides a corresponding signal to a controller or CPU. The CPU then activates an actuator for physically vibrating or pulsing the electronic device in which the touchscreen and LCD are contained. The physical movement of the electronic device provides tactile feedback to the user for indicating that an input to the touchscreen has been made. The actuator can include a vibrating motor, solenoid and other mechanical means for providing various types of physical movement.

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